

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|---|------------------|---------|---------------------|
| S1    | 38514  | borosilicate near3 glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/15<br>17:08 |
| S5    | 680340 | "wt%" or (weight adj percent) or<br>("weight %")                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/15<br>17:11 |
| S6    | 316199 | oxide with (manganese or cerium or<br>chromium or cobalt or copper) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/15<br>17:12 |
| S7    | 116    | S1 same S5 same S6  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/15<br>17:12 |
| S9    | 38514  | borosilicate near3 glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/16<br>10:12 |
| S10   | 680340 | "wt%" or (weight adj percent) or<br>("weight %")                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/16<br>10:12 |
| S11   | 316199 | oxide with (manganese or cerium or<br>chromium or cobalt or copper) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/16<br>10:12 |
| S12   | 116    | S9 same S10 same S11  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/07/16<br>10:12 |

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| S13 | 52 | S12 and (phase or leach\$3)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:12 |
| S14 | 60 | S12 and ((phase or leach\$3) or high with silicate or pyrex)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:18 |
| S15 | 15 | S12 and ((phase near3 seperate) or leach\$3 or high with silicate or pyrex)                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:18 |
| S16 | 16 | S12 and ((phase near3 separate) or leach\$3 or high with silicate or pyrex)                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:18 |
| S17 | 2  | S12 and ((phase near3 separate) or leach\$3) and (high with silicate or pyrex)                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:20 |
| S18 | 5  | S12 and ((phase near3 separate) or leach\$3) and (high with silicate or pyrex or quartz)          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:21 |
| S19 | 3  | S18 not S17   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:21 |
| S20 | 5  | S12 and ((phase near3 separate) or leach\$3) and (high with silicate or pyrex or quartz) and acid | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:30 |
| S21 | 21 | S12 and (high with silicate or pyrex or quartz) and acid  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:39 |
| S22 | 0  | ("2006/0201200").URPN.  | USPAT   | ADJ | ON | 2010/07/16<br>10:42 |

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| S23 | 5    | 2003-078846                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:42 |
| S24 | 60   | akai.in. near3 tomoko.in.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:43 |
| S25 | 5    | S24 and high silicate glass | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:43 |
| S26 | 12   | S24 and silicate glass      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>10:44 |
| S27 | 1176 | 65/30.1.ccls. or (60/30.1)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:17 |
| S28 | 1101 | 65/31.ccls. or (60/31)      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:17 |
| S29 | 472  | 65/33.1.ccls. or (60/33.1)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:17 |
| S31 | 229  | 65/21.1.ccls. or (60/21.1)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:18 |
| S32 | 195  | 65/21.4.ccls. or (60/21.4)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:18 |
| S33 | 608  | 65/23.ccls. or (60/23)      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>12:18 |

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| S34 | 3534 | S27 S28 S29 S31 S32 S33  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:18 |
| S35 | 4    | S34 and S12  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:19 |
| S37 | 2    | S35 and (high near3 silicate or pyrex or quartz)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:22 |
| S38 | 731  | S34 and "501".clas.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:22 |
| S39 | 4    | (S34 or S38) and S12   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:23 |
| S40 | 1    | "10549609"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2010/07/16<br>12:25 |
| S44 | 181  | S9 and ((insoluble near3 phase or silicate near3 phase) and (soluble near3 phase or borate near3 phase) or phase near3 separat\$3) and S10 and (acid or leach\$3 or elute) and S11                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>14:00 |
| S45 | 5    | S9 and ((insoluble near3 phase or silicate near3 phase) and (soluble near3 phase or borate near3 phase) or phase near3 separat\$3) and S10 and (acid or leach\$3 or elute) and S11 and high near3 silicate near3 glass | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>14:01 |
| S46 | 20   | S9 and ((insoluble near3 phase or silicate near3 phase) and (soluble near3 phase or borate near3 phase) or phase near3 separat\$3 or (acid or leach\$3 or elute)) and S10 and S11 and high near3 silicate near3 glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/16<br>14:02 |

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| S47 | 13     | danping.in. near3 chen.in.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/20<br>16:37 |
| S48 | 6      | "7001660"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/21<br>12:02 |
| S49 | 3      | "7645186"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/21<br>15:21 |
| S50 | 8      | "5320151"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/07/21<br>15:29 |
| S51 | 65     | akai.in. near3 tomoko.in.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:12 |
| S52 | 14     | danping.in. near3 chen.in.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:12 |
| S53 | 40918  | borosilicate near3 glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:12 |
| S54 | 649345 | oxide with (manganese or cerium or chromium or cobalt or copper or Co or Mn or Cu or Ce or Cr) or (CoO or CuO or MnO or CrO or CeO) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:16 |
| S55 | 234411 | Ethylenediaminetetraacetic or Ethylenediamine tetraacetic or EDTA   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:18 |
| S56 | 707283 | "wt%" or (weight adj percent) or ("weight %")   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:19 |

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| S57 | 1    | S51 S52 S53 S54 S55 S56                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/03/07<br>12:22 |
| S58 | 149  | S53 S54 S55 S56                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/03/07<br>12:22 |
| S59 | 12   | S53 S55 S54 same S56 and high<br>silicate with glass | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/03/07<br>12:22 |
| S60 | 19   | S53 S55 S54 same S56                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2011/03/07<br>12:23 |
| S61 | 1188 | 65/30.1.ccls. or (60/30.1)                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |
| S62 | 1108 | 65/31.ccls. or (60/31)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |
| S63 | 477  | 65/33.1.ccls. or (60/33.1)                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |
| S64 | 239  | 65/21.1.ccls. or (60/21.1)                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |
| S65 | 199  | 65/21.4.ccls. or (60/21.4)                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |
| S66 | 611  | 65/23.ccls. or (60/23)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:23 |

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| S67 | 3572   | S61 S62 S63 S64 S65 S66   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2011/03/07<br>12:23 |
| S68 | 1      | S60 and S67   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2011/03/07<br>12:24 |
| S69 | 196123 | ((insoluble near3 phase or silicate<br>near3 phase) and (soluble near3<br>phase or borate near3 phase) or<br>phase near3 separat\$3) and (acid or<br>leach\$3 or elute) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:28 |
| S70 | 3      | S60 and S69   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:29 |
| S71 | 1      | S60 and S69 and S67   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:30 |
| S72 | 1      | S60 and S69 and "65".clas.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:30 |
| S73 | 9      | "4294811"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:48 |
| S74 | 2      | S73 and S54   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:49 |
| S75 | 24     | "4933307"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:54 |
| S76 | 0      | "41116704"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:56 |

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| S77 | 11     | "4116704"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:56 |
| S78 | 2      | "20050028556"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:57 |
| S79 | 9      | "4294811"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:57 |
| S80 | 9      | "4294811"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:58 |
| S81 | 9      | "3112855"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:58 |
| S82 | 15     | "3113855"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>12:58 |
| S83 | 65     | S51 or S52   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:14 |
| S84 | 5      | S83 and S54  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:14 |
| S85 | 7      | S83 and S53  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:14 |
| S86 | 453670 | (additional or another or subsequent<br>or repeatedly) with (acid or heat) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:19 |



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| S87 | 247   | S53 same S54 same S56 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:19 |
| S88 | 1     | S87 and S55 and S86   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:20 |
| S89 | 70597 | S55 and S86           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:20 |
| S90 | 2300  | S53 and S55           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:26 |
| S91 | 5     | S90 and "65".clas.    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2011/03/07<br>14:27 |

**EAST Search History (Interference)**

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**3/ 10/ 2011 3:40:23 PM****C:\ Documents and Settings\ mbrodie\ My Documents\ EAST\ Workspaces\ 10549609-2.wsp**